layers of different thicknesses, each type of said optical discs having at least said first layer being transparent and a second layer for storing information, said apparatus comprising:

a light emitting means for emitting said light flux;

a converging optical system including a first converging means and a second converging means, said converging optical system for converging, by employing one of said first converging means and said second converging means, a light flux on said second layer of one of said N types of optical discs and for performing aberration correction at said light flux; and

photo detecting means for detecting reflective light from said optical discs;

wherein when the first layer of a first disc of said N optical discs has a thickness (d1) smaller than a thickness (d2)of the first layer of a second disc of said N optical discs, said one of said first converging means and said second converging means, which is employed by said converging optical system, converges the light flux to a spot on the second layer of said first disc with a diameter (D1) smaller than a diameter (D2) of a light spot converged by the other of said first converging means and said second converging means, which is employed by said converging optical means, on the second layer of said second disc, and

wherein a thickness of said first layers of each of said N types of optical discs is about 1.2mm or less,

(b) a signal processing means, responsive to one of (i) a reproduction signal, corresponding to said information signal, from said photo detecting means and (ii) receipt of recording data, corresponding to said information signal, for recording on said disk, for generating an output signal corresponding to said information signal and for performing one of a reproducing operation and a recording operation on said discs; and

(c) a system controlling means coupled to said signal processing means for controlling generation of the output signal of said signal processing means.

REMARKS

Reconsideration and allowance of this application are respectfully requested in light of the above amendments and the fol

lowing remarks.

In response to the requirement in paragraph two of the Office Action, the first paragraph of the specification has been amended to refer to the parent cases and the five related multiple reissue continuation applications. An amended copy of column 1 of the specification is attached.